Index of Claims

Application/Control No.

09/955,433

Examiner

Rhonda Murphy

Applicant(s)/Patent under Reexamination

VIRTANEN ET AL.

Art Unit

2667

| <b>√</b> | Rejected |
|----------|----------|
| ı        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla             | im   | Date                       |          |  |               |  |              |  |              |  |
|-----------------|--|----------------------------|----------|--|---------------|--|--------------|--|--------------|--|
|                 |  |                            |          |  | Τ             | T -  |              | Π  | _            |  |
| Final           | Original   | 50/60/5 >>>>>>0/0000000000 |          |  |               |  |              |  |              |  |
|                 | 1  | 1                          |          |  | Г             |  |              |  |              |  |
|                 | 2  | V                          |          | Г  |               |  |              |  |              |  |
|                 | 3  | V                          |          |  |               |  |              |  |              |  |
|                 | 4  | 1                          |          |  |               |  |              |  |              |  |
|                 | 5  | 7                          | Г        |  |               |  |              |  |              |  |
|                 | 6  | 0                          |          |  | Г             |  |              |  |              | Г  |
|                 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8                           | <b>V</b>                   |          |  | Г             |  |              |  |              |  |
|                 | 8  | 0                          |          |  |               |  |              |  |              |  |
|                 | 9  | 0                          |          |  |               |  |              |  |              |  |
|                 | 10   | 0                          |          |  |               |  | <u> </u>     |  |              |  |
|                 | 11   | 0                          | _        | L  |               |  |              | _  |              |  |
| L               | 12   | 0                          | _        | L.   |               | <u> </u>   |              |  |              |  |
|                 | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17                   | 0                          | L        |  | L             |  |              |  |              |  |
|                 | 14   | 0                          | L        |  |               | L  |              | L  |              |  |
| L               | 15   | V                          | L        |  | <u> </u>      |  | L            | <u> </u>   |              |  |
|                 | 16   | 0                          | L        |  | _             | _  |              | L  |              | $ldsymbol{le}}}}}}}$ |
|                 | 17   | 0                          |          |  | <u> </u>      |  |              | _  |              |  |
|                 | 18   | V                          |          | _  | <u> </u>      |  | L            | _  |              |  |
| $\Box$          | 18<br>19   | 1                          |          |  |               | _  | L            | _  |              |  |
|                 | 20   | Ш                          | <u> </u> | _  | <u> </u>      | L_   | <u> </u>     | <u> </u>   | _            |  |
|                 | 21   | Ш                          | L        | _  | L             | <u> </u>   |              | _  | _            |  |
|                 | 22   | 1,                         | _        | <u> </u>   |               | _  | <u> </u>     | <u> </u>   | <u> </u>     | _  |
|                 | 20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30 | <b>VOVVO</b>               | ᆫ        | _  |               | _  | _            | _  | _            | Ш  |
|                 | 24   | Ō                          |          | <u> </u>   |               |  | _            | <u> </u>   | <u> </u>     | Щ  |
|                 | 25   | Υ_                         |          |  |               |  |              |  |              |  |
|                 | 26   | V                          |          | _  | <u> </u>      | _  | _            | <u> </u>   | <u> </u>     |  |
| $\vdash$        | 27   | O,                         |          | _  | <u> </u>      | <u> </u>   | <u> </u>     | _  | <u> </u>     | Щ  |
|                 | 28   | V                          |          | -  | -             | -  | _            | <del> </del>                                     | <u> </u>     | Н  |
|                 | 29   | +                          |          | _  | ┝             | -  | -            | ├—   | <u> </u>     | Н  |
|                 | 30   | ₩-                         |          | _  | ⊢             | ┝  | ┝            | ├  | <u> </u>     | Н  |
| -               | 31   | <del>    -</del>           |          | -  | ⊢             | -  |              | _  | _            | Н  |
| $\vdash$        | 32   | ╫-                         | _        |  | $\vdash$      | $\vdash$   |              | -  | -            | $\vdash$   |
| -               | 32<br>33<br>34<br>35<br>36                                     | -                          | -        | $\vdash$   | ├-            | $\vdash$   | $\vdash$     | ├  | -            | Н  |
| $\vdash$        | 35   | -                          | -        | $\vdash$   | <del> -</del> | $\vdash$   | $\vdash$     | ├  | -            | Н  |
| -               | 36   | Н                          | -        | ┢  | -             | $\vdash$   | $\vdash$     | $\vdash$   | <del> </del> | Н  |
| $\vdash \dashv$ | 37   | Н                          | -        | ├──  | $\vdash$      | ┢  | <del> </del> | <del>                                     </del> | $\vdash$     | $\vdash$   |
| $\vdash$        | 37<br>38   | 7                          | -        | <u> </u>   | $\vdash$      | -  |              | -  |              | $\vdash$   |
|                 | 39   |                            |          | $\vdash$   | $\vdash$      | <del>                                     </del> | $\vdash$     | <del>                                     </del> | -            | H  |
|                 | 40   |                            |          |  | $\vdash$      | <del>                                     </del> |              |  | $\vdash$     |  |
|                 | 41   |                            | _        | H  |               | ┢  | ┢            | $\vdash$   | $\vdash$     | $\vdash$   |
|                 | 42   |                            |          | <u> </u>   | _             | <del>                                     </del> | $\vdash$     | <del>                                     </del> | $\vdash$     | Н  |
|                 | 43   |                            | -        | <del>                                     </del> |               | $\vdash$   |              |  |              | $\Box$   |
|                 | 44   |                            |          | $\vdash$   |               |  |              |  | Т            | Н  |
|                 | 45   |                            |          | <u> </u>   | $\vdash$      | <u> </u>   |              | Ι  | _            |  |
|                 | 46   |                            |          |  |               |  |              |  |              | П  |
|                 | 47   |                            |          |  |               |  |              | $\vdash$   | Ė            | М  |
|                 | 48   |                            |          |  |               | $\Box$   |              |  |              | $\Box$   |
|                 | 49   |                            |          | ·  |               |  |              |  |              | $\Box$   |
|                 | 50   |                            |          |  |               |  |              |  |              | П  |

| Cla      | aim      |              |                                     |          | - 1          | Date     | е            |          |          |          |
|----------|----------|--------------|-------------------------------------|----------|--------------|----------|--------------|----------|----------|----------|
|          |          |              |                                     |          |              |          |              |          | I _      |          |
| Final    | Original |              |                                     |          |              |          |              |          |          |          |
|          | 51<br>52 |              |                                     |          |              |          |              |          |          |          |
|          | 52       |              |                                     |          |              |          |              |          |          |          |
|          | 53       |              |                                     |          |              |          |              |          |          |          |
|          | 54       |              |                                     |          |              |          | -            |          | <u> </u> | $\vdash$ |
|          | 55       | _            |                                     |          |              | _        | <u> </u>     | ┢        | ┢        | $\vdash$ |
|          | 56       | $\vdash$     | $\vdash$                            |          |              | -        |              | ┢        | $\vdash$ |          |
| <b></b>  | 57       | ├─           | $\vdash$                            |          |              | -        | $\vdash$     | $\vdash$ | $\vdash$ | ┝        |
|          | 58       | ┝            | $\vdash$                            |          | -            | -        |              | $\vdash$ | $\vdash$ | $\vdash$ |
|          | 59       | -            | -                                   | -        |              | -        |              | $\vdash$ | ┢        | ┝        |
| <u> </u> | 60       | $\vdash$     | _                                   | _        | _            | ├        |              | ⊢        | -        | -        |
| -        | 61       | $\vdash$     | -                                   | -        | -            | ┝        | ⊢            | $\vdash$ | ┝        | $\vdash$ |
| $\vdash$ | 62       | ┝            | -                                   | -        |              | ⊢        | ⊢            | $\vdash$ | ├─       | -        |
| -        | 62<br>63 | _            | -                                   |          |              | $\vdash$ | -            | -        | -        | ŀ        |
| $\vdash$ | 64       | -            | <del> </del>                        |          |              | $\vdash$ | ├            | ├        | ├        | $\vdash$ |
| $\vdash$ | 64       | -            | ⊢                                   | $\vdash$ | $\vdash$     | $\vdash$ | ├—           | $\vdash$ | ⊢        | $\vdash$ |
| -        | 65       |              | ⊢                                   | -        |              | <u> </u> | <b> </b>     | <u> </u> | ⊢        | ⊢        |
| <u> </u> | 66       | <u> </u>     |                                     | _        | _            | $\vdash$ | <del> </del> |          | <u> </u> | $\vdash$ |
| -        | 67       | $\vdash$     | <u> </u>                            | <u> </u> | <u> </u>     |          | <u> </u>     | ┡        | $\vdash$ | <u> </u> |
|          | 68       | <u> </u>     | <u> </u>                            | <u> </u> | <u> </u>     | <u> </u> | <u> </u>     | <u> </u> | ╙        | L        |
|          | 69       | <u> </u>     | L.                                  |          | _            | ļ        | _            | _        | _        | _        |
| <u> </u> | 70       | <u> </u>     | <u> </u>                            | <u> </u> | _            | <u> </u> | ļ            | <u> </u> | <u> </u> | _        |
| <u> </u> | 71       | <u> </u>     |                                     | _        | _            | <u> </u> | _            | _        | _        | L        |
|          | 72       | <u> </u>     | <u> </u>                            | <u> </u> | <u> </u>     |          | _            | _        |          |          |
| <u> </u> | 73       |              | <u> </u>                            | <u> </u> | _            | <u> </u> | <u> </u>     | _        |          |          |
|          | 74       | _            | <u> </u>                            | _        | L            | L.       |              | _        |          |          |
| ļ        | 75       | <u> </u>     | <u> </u>                            | <u> </u> | _            |          | _            | <u> </u> |          | _        |
| <u> </u> | 76<br>77 | <u> </u>     |                                     |          | _            |          | _            | <u> </u> | _        | _        |
| <u> </u> | 77       |              | <u> </u>                            | _        | $\vdash$     | _        | <u> </u>     | <u> </u> |          |          |
| <u> </u> | 78       |              | _                                   | <u> </u> | L            | _        | <u> </u>     | <u> </u> | <u> </u> |          |
|          | 79       |              |                                     | <u> </u> |              | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | _        |
|          | 80       | L            | L                                   | _        | <u> </u>     | <u> </u> | <u> </u>     | <u> </u> |          |          |
|          | 81       | _            | _                                   |          |              |          |              | <u> </u> | _        | _        |
| <u> </u> | 82       | <u> </u>     | _                                   | <u> </u> | _            | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | L.       |
|          | 83       |              | <u> </u>                            | <u>_</u> | <u> </u>     | <u> </u> | <u> </u>     | <u> </u> | <u> </u> |          |
|          | 84       | L_           | <u> </u>                            | Щ        | <u>_</u>     | L.       | _            | <u> </u> |          | L.       |
|          | 85       |              | _                                   | _        | L            |          | _            |          |          |          |
|          | 86       |              |                                     |          | _            | L        |              |          |          | L        |
|          | 87       | $oxed{oxed}$ | <u> </u>                            |          |              | 匚        |              | _        |          |          |
|          | 88       | Ш            | L.                                  |          | <u> </u>     |          | L_           | _        | _        |          |
|          | 89       |              |                                     |          |              |          |              |          |          |          |
|          | 90       | $oxed{oxed}$ |                                     |          | <u> </u>     | _        | $oxed{oxed}$ |          | _        |          |
|          | 91       |              |                                     |          |              |          |              | _        |          |          |
| <u> </u> | 92       | <u> </u>     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u> |              |          |              | L_       | <u> </u> | L        |
| <u> </u> | 93       | L.           | L                                   | <u> </u> | $oxed{oxed}$ | L        | <u> </u>     | <u> </u> | L_       |          |
| <b></b>  | 94       | ldash        |                                     | <u> </u> | L            |          |              | <u> </u> | _        | L        |
|          | 95       | <u> </u>     | L_                                  | <u> </u> | 匚            | L_       |              | _        |          | L        |
| <u></u>  | 96       | <u> </u>     | L                                   | L_       | L.,          | L        |              | L        | <u> </u> | L        |
|          | 97       |              | Щ                                   | L        |              | L        |              | L_       | L        |          |
| <u> </u> | 98       |              | Ш                                   | Ш        |              | L        |              | L_       | L.       |          |
|          | 99       |              |                                     |          |              |          |              |          | <u> </u> |          |
|          | 100      |              |                                     |          |              |          |              |          |          |          |

| Claim       |   | Date                                |                                     |          |              |              |              |              |          |                 |  |
|-------------|---|-------------------------------------|-------------------------------------|----------|--------------|--------------|--------------|--------------|----------|-----------------|--|
|             |   |                                     | Γ                                   | Ī        | Γ.           |              | Ī            |              |          | П               |  |
| ā           | Original  |                                     |                                     |          |              |              |              |              |          |                 |  |
| Final       | j <u>ē</u>  |                                     |                                     |          |              |              |              |              |          | H               |  |
| "           | ō   |                                     |                                     |          |              |              |              |              |          | H               |  |
| <del></del> | 101   | _                                   | ⊢                                   | -        |              | ┝            | ⊢            | -            | ┝        | Н               |  |
| <u> </u>    | 101   | -                                   | ⊢                                   | -        | ┝            | -            |              | ├—           | ⊢        | $\vdash$        |  |
|             | 101<br>102<br>103   | _                                   | ⊢                                   | <u> </u> | _            | -            |              | _            | <u> </u> | Н               |  |
| <u> </u>    | 103   | _                                   | ├                                   |          | <u> </u>     | <u> </u>     | _            | <u> </u>     | _        | Н               |  |
| <u> </u>    | 104<br>105<br>106   |                                     | ⊢                                   | <u> </u> | <u> </u>     | _            | _            | <u> </u>     |          | Ы               |  |
| ļ           | 105   | _                                   | <u> </u>                            | _        | _            | <u> </u>     | ļ            |              | <u> </u> | Ш               |  |
|             | 106   |                                     | L                                   |          |              | <u> </u>     | ļ            |              | _        | Ш               |  |
|             | 107   |                                     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          |              | <u> </u>     | <u> </u>     |              | _        | Ш               |  |
|             | 108   |                                     |                                     |          |              |              |              |              | _        | Ш               |  |
|             | 109   |                                     |                                     |          |              |              |              |              |          | Ш               |  |
|             | 110   |                                     |                                     |          |              |              |              |              |          |                 |  |
|             | 108<br>109<br>110<br>111  |                                     | $\Box$                              |          | L            |              |              |              |          |                 |  |
|             | 112   |                                     | l –                                 |          |              |              |              |              |          | П               |  |
|             | 113   | _                                   |                                     |          |              |              |              |              |          | П               |  |
|             | 112<br>113<br>114<br>115  |                                     | Т                                   |          |              | Ι            |              |              |          | П               |  |
|             | 115   | Г                                   | Т                                   |          | _            | <u> </u>     |              |              |          | H               |  |
| -           | 116   | <u> </u>                            |                                     | $\vdash$ | $\vdash$     | $\vdash$     |              |              | _        | Н               |  |
| <u> </u>    | 116<br>117<br>118   | -                                   | 1                                   | $\vdash$ |              | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$ | H               |  |
| -           | 118   |                                     | ├-                                  | -        | <del> </del> | ┝            | -            | -            | -        | H               |  |
|             | 119   |                                     | ⊢                                   | -        | -            | ├            | ⊢            | -            | $\vdash$ | Н               |  |
| <b></b>     | 119   |                                     | H                                   | -        | -            | <del> </del> | ├            | _            | -        | Н               |  |
|             | 120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130 | ⊢                                   | $\vdash$                            | $\vdash$ | ├-           | ┝            | <del> </del> | ⊢            | ⊢        | Н               |  |
| <b></b> -   | 121   | _                                   | _                                   | -        | _            | <del> </del> | <u> </u>     | <u> </u>     | ┡        | Н               |  |
|             | 122   |                                     | ļ                                   |          | _            | _            | L            | _            | <u> </u> | Ш               |  |
|             | 123   | L_                                  |                                     |          |              |              | <u>'</u>     | L.           | _        | Щ               |  |
| L           | 124   | <u> </u>                            |                                     |          |              |              | _            | _            |          |                 |  |
|             | 125   |                                     |                                     |          |              | <u> </u>     |              |              |          | Ш               |  |
|             | 126   |                                     |                                     |          |              |              |              |              |          |                 |  |
|             | 127   |                                     |                                     |          |              |              |              | l            |          |                 |  |
|             | 128   |                                     |                                     |          |              |              |              |              |          |                 |  |
|             | 129   |                                     |                                     |          |              |              |              |              |          |                 |  |
|             | 130   |                                     | Г                                   |          |              |              |              |              |          |                 |  |
|             | 131   |                                     | _                                   | П        |              |              |              | $\vdash$     |          | П               |  |
|             | 132   |                                     |                                     | -        | _            |              | _            |              |          | Н               |  |
|             | 131<br>132<br>133   | $\vdash$                            |                                     | $\vdash$ | _            | _            | $\vdash$     | $\vdash$     |          | $\vdash$        |  |
|             | 134   |                                     |                                     | $\vdash$ |              |              | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$        |  |
|             | 134<br>135<br>136<br>137<br>138<br>139<br>140                             | $\vdash$                            | $\vdash$                            | $\vdash$ | -            |              | -            | $\vdash$     | $\vdash$ | $\vdash$        |  |
|             | 136   | -                                   | $\vdash$                            | $\vdash$ | -            | -            | $\vdash$     | $\vdash$     | $\vdash$ | Н               |  |
| H           | 137   | $\vdash$                            | <del> </del>                        | $\vdash$ |              | -            | $\vdash$     | $\vdash$     | $\vdash$ | Н               |  |
|             | 137   | -                                   | $\vdash$                            | $\vdash$ |              | -            | ⊢            | ├            | $\vdash$ | $\vdash \vdash$ |  |
|             | 130   |                                     |                                     | -        |              |              | <u> </u>     | $\vdash$     | $\vdash$ | Н               |  |
| <b></b>     | 1.09  |                                     | ├-                                  | $\vdash$ | $\vdash$     | -            | -            | ├-           | $\vdash$ |                 |  |
| <b> </b>    |   | -                                   | ├                                   | $\vdash$ | H            | <u> </u>     | <b>!</b>     | <del> </del> | $\vdash$ | $\vdash \vdash$ |  |
|             | 141   | $\vdash$                            | <u> </u>                            | <u> </u> |              | <u> </u>     | <u> </u>     | $\vdash$     | <u> </u> | Ш               |  |
| ļ           | 142   | ļ                                   | <u> </u>                            | _        | _            | _            | <u> </u>     | <u> </u>     | _        | Ш               |  |
|             | 143   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L.                                  | <u> </u> |              |              |              | L            |          | Ш               |  |
|             | 144   | _                                   | <u> </u>                            | L        |              | _            | L            | <u> </u>     | L.       | Ш               |  |
|             | 145   |                                     | L                                   | L        |              |              |              |              |          |                 |  |
|             | 146   |                                     | L                                   |          |              |              | Ĺ            |              |          |                 |  |
|             | 147   |                                     |                                     |          |              |              |              |              |          | П               |  |
|             | 148   | _                                   |                                     |          |              |              |              |              |          | П               |  |
|             | 149   |                                     |                                     |          |              | Г            | Т            | $\vdash$     |          | Н               |  |
|             | 150   | $\vdash$                            | -                                   | Н        |              | Н            | $\vdash$     | $\vdash$     | Т        | Н               |  |
|             | .,,,,   | Ц.,                                 |                                     | _        |              | Ц.,          | L            |              |          | ш               |  |